



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Heinrich Becker, Anja Gerhard, Philipp Stössel and Horst Vestweber  
Application No.: 10/563,716 Group Art Unit: 2828  
371(c) Filing Date: April 11, 2006 Examiner: Not Assigned  
Confirmation No.: 1522  
Title: MIXTURES OF ORGANIC EMISSIVE SEMICONDUCTORS AND MATRIX MATERIALS, THEIR USE AND ELECTRONIC COMPONENTS COMPRISING SAID MATERIALS

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
11-2-06	Sandra Jemma
Date	Signature
Sandra Jemma	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:

☐ a Statement under 37 CFR 1.97(e), as checked below, or

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:

☐ a Statement under 37 CFR 1.97(e), as checked below, and

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application file.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
  - ☒ Copies of the cited references are enclosed.
    - ☐ Copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
  - ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
  - ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
  - ☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:
    - ☐ the explanation provided on the attached sheet.
    - ☐ the explanation provided in the Specification.
    - ☐ submission of the enclosed International Search Report.
    - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
    - ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:  
*(Affix a label or apply the stamp "Non-Published IDS Reference - Do Not Scan" to the front of each unpublished pending appl'n.)*

Examiner's  
Initials

\_\_\_\_ U.S. Patent Application No. [    ], by [inventor(s)], filed [    ], Docket No.: [    ]  
 \_\_\_\_ U.S. Patent Application No. [    ], by [inventor(s)], filed [    ], Docket No.: [    ]  
 \_\_\_\_ U.S. Patent Application No. [    ], by [inventor(s)], filed [    ], Docket No.: [    ]

\_\_\_\_\_  
 Examiner

\_\_\_\_\_  
 Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed, except any application filed on or after June 30, 2003, which has been scanned into the PTO's Image File Wrapper (IFW) system and is available to the examiner.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [    ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[    ]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Alexander Akhiezer  
 Alexander Akhiezer  
 Registration No.: 54,617  
 Telephone: (978) 341-0036  
 Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated: 11/1/06

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
3724.1004-000APPLICATION NO.  
10/563,716FIRST NAMED INVENTOR  
Heinrich Becker371(c) FILING DATE  
April 11, 2006EXAMINER  
Not AssignedCONFIRMATION NO.  
1522GROUP  
2828INFORMATION DISCLOSURE STATEMENT  
IN AN APPLICATION

November 1, 2006

(Use several sheets if necessary)

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Fukase, A. <i>et al.</i> , "High-efficiency Organic Electroluminescent Devices Using Iridium Complex Emitter and Arylamine-containing Polymer Buffer Layer," <i>Polymers for Advanced Technologies</i> , 13(8):601-604 (2002).
C2	Adachi, C. <i>et al.</i> , "Architectures for Efficient Electrophosphorescent Organic Light-Emitting Devices," <i>IEEE Journal on Selected Topics in Quantum Electronics</i> , 8(2):372-377 (2002).
C3	Chang-Lyoul, L. <i>et al.</i> , "Highly Efficient Polymer Phosphorescent Light Emitting Devices," <i>Materials Science and Engineering</i> , 85(2-3):228-231 (2001).
C4	Djurovich, P.I. <i>et al.</i> , "Ir(III) Cyclometalated Complexes as Efficient Phosphorescent Emitters in Polymer Blend and Organic LEDs," <i>Polymer Preprints</i> , 41(1):770-771 (2000).
C5	Adachi, C. <i>et al.</i> , "High-efficiency Organic Electrophosphorescent Devices with Tris(2-phenylpyridine)Iridium Doped into Electron-Transporting Materials," <i>Applied Physics Letters</i> , 77(6):904-906 (2000).
C6	
C7	
C8	
C9	

EXAMINER

DATE CONSIDERED